

An Annotated Bibliography of References to Marine Mollusca of the Northern State of Sonora, Mexico

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THE FOLLOWING LIST covers references to Mollusca along the coast of the Mexican State of Sonora from Cape Tepoca (Puerto Lobos) to the upper reaches of tidal water in the estuary of the Colorado River. Six separate places have been visited along this coastline since 1869 (see Table 1).

Dr. Edward Palmer, a botanist, was the first collector in the area. In 1869 he traveled by boat from Yuma to Guaymas, Mexico, collecting as he went (McVAUGH, 1956). The first malacologist was H. N. Lowe (1934, 1935) who collected extensively in the Puerto Peñasco area in 1934. Starting in 1948, Dr. S. S. Berry (1953) made several trips to Puerto Peñasco and Cholla Bay. Both men described new species as a result of their findings. Dr. P. Pickens collected opisthobranchs intensively in the same area from 1963 to 1966. His work resulted in descriptions of 19 new taxa by MARCUS (1967).

The Hancock and *Albatross* Expeditions were the only ones by sea to reach the eastern shore of the head of the Gulf. Some of the material gathered by dredging was later included in articles by specialists in certain families (ROST, 1955).

Since most references have been to Cholla Bay, this was used. Government maps now show this as Choya Bay, which apparently was the original name. Other names of places have been updated in so far as possible. Where doubt of actual location exists, the original text is given.

The references have been grouped as follows:

Descriptions of new taxa

Range extensions

Lists of species

Locality descriptions

General references

Ancillary references

Later citations of these same works have been omitted from the list.

The author wishes to thank Dr. Dwight W. Taylor, formerly of the Department of Zoology, Arizona State University (and now at the San Diego Natural History

Table 1

Collectors and Expeditions with Areas Visited

year	Collector	Colorado river mouth area	El Golfo de Santa Clara	Adair Bay	Cholla Bay	Puerto Peñasco	Cape Tepoca (Puerto Lobos)
1869	Palmer	×		×			
1889	<i>Albatross</i>						×
1890	Orcutt	×					
1897 ¹	Boundary Comm.	×					
1905	Rhoads	×					
1907	Sykes			×			
1909	Lumholtz	×		×			
1915	Murphy	×					
1931	Ives			×	×		
1934	Lowe				×	×	
1937	Huffman			×	×	×	
	Hancock Exped.					×	×
1940	Hancock Exped.					×	×
1941	Stanford Exped.				×	×	
1944	Gifford			×	×	×	
1945	Gifford				×	×	
1947	Baker				×	×	
1948	Berry				×	×	
1949	Berry				×	×	
1950 ¹	Bessom				×	×	
1951	Thurlow				×		
1952	Berry				×	×	
1954	Mousley			×	×		
	Emerson				×	×	
	Turver				×		
1955	French				×		
	Chace				×		
1956	Rogers				×		
	Wright				×		
	Berry				×		
	Moore				×		
1957	Chace				×		
	DuShane				×		
	Shasky				×	×	

year	Collector	Colorado river mouth area	El Golfo de Santa Clara	Adair Bay	Cholla Bay	Puerto Peñasco	Cape Tepoca (Puerto Lobos)
1958	Chace				×		
1959	Chace				×		
1959 ¹	Hall				×		
1963	Pickens					×	
1964 ¹	Brown			×			
1964	Donohue					×	
	Hanselman				×	×	
	Johnson, M.				×	×	
	Pickens					×	
	Paine					×	
	Rice				×	×	
1965	Pickens				×	×	×
1966	Pickens				×	×	
	Farmer					×	
	Skoglund				×		
1967	DuShane		×				
1968	Johnson, W. S.					×	

¹ publication date

Museum, San Diego, California) for many suggestions and for reading the manuscript.

DESCRIPTIONS OF NEW TAXA

BERRY, SAMUEL STILLMAN

1945. Two new chitons from the Gulf of California. Amer. Midld. Nat. 34 (2): 491 - 495; 18 figs. (23 August 1945)

Chaetopleura (Pallochiton) euryplax, new species, taken under stones at Adair Bay by E. C. Huffman in 1937.

1956. A new West Mexican prosobranch mollusk parasitic on echinoids. Amer. Midld. Nat. 56 (2): 355 - 357; 2 figs. (October 1956)

Turveria encopendema, new genus and species, taken on *Encope grandis* on outer strand of Cholla Bay by Mr. and Mrs. Harry R. Turver, 1 May 1954, and by S. S. Berry in March 1949 and on May 13, 1952.

1956. Diagnoses of new eastern Pacific chitons. Leaflet in Malacol. 1 (13): 71 - 74 (19 July 1956)

Nuttallina crossota, *Lepidozona subtilis*, new species, and *Stenoplax (Maugerella) conspicua sonora*, new subspecies, taken at Norse Beach near Cholla Bay by S. S. Berry in March 1948 and March 1949.

1957. Notices of new eastern Pacific Mollusca. I. Leaflet in Malacol. 1 (14): 75 - 82 (19 July 1957)

Lithophaga (Labis) attenuata rogersi, new subspecies, taken by Mark Rogers and Fred Wright in December 1956 at Cholla Bay, and

Acmaea stanfordiana, new species, taken at nearby Pelican Point by S. S. Berry in March 1948.

1958. Notices of new Eastern Pacific Mollusca. — II. Leaflets in Malacol. 1 (15): 83 - 90 (28 March 1958)

Tiphycerma preposterum, new genus and species, taken by S. S. Berry at Norse Beach in May 1952, and *Olivella fletcheriae*, new species, taken in March 1948.

1960. Notices of new eastern Pacific Mollusca — IV. Leaflet in Malacol. 1 (19): 115 - 122 (31 December 1960)

Acmaea acutapex, new species, taken at "Punta Cholla, W. of Puerto Peñasco . . ." by S. S. Berry in March 1948; *Neosimnia vidleri tyrianthina*, new subspecies, Berry and Moore, Cholla Bay, 1956; *Mitra (Tiara) lindsayi*, new species, off Puerto Peñasco, 10 fms., H. N. Lowe, February 1934.

1964. Notices of new eastern Pacific Mollusca. — VI. Leaflet in Malacol. 1 (24): 147 - 154 (29 July 1964)

Melampus mousleyi, new species, found in the upper estero of Cholla Bay by S. S. Berry in March 1948.

CAMPBELL, G. BRUCE

1964. New terebrid species from the eastern Pacific (Mollusca: Gastropoda). The Veliger 6 (3): 132 - 138; pl. 17 (1 January 1964)

Terebra (Strioterebrum) adairensis, new species, found at Adair Bay by Dorothy Brown.

DALL, WILLIAM HEALEY

1891. Scientific results of explorations by the U. S. Fish Commission steamer *Albatross*. XX. — On some new or interesting West American shells obtained from the dredgings of the U. S. Fish Commission steamer *Albatross* in 1888 and from other sources. Proc. U. S. Nat. Mus. 14 (849): 173 - 191; pls. 5 - 7 (24 July 1891)

Eupleura var. *limata*, described from the head of the Gulf of California near the estuary of the Colorado River.

1894. On some species of *Mulinia* from the Pacific Coast. The Nautilus 8 (1): 5 - 6; pl. 1 (2 May 1894)

Mulinia coloradoensis, new species, head of the Gulf of California in the estuary of the Colorado River, found by Dr. E. Palmer.

1910. New shells from the Gulf of California. The Nautilus 24 (3): 32 - 34 (2 August 1910)

Cymatium adairense, new species, found off Adair Bay.

1913. Diagnoses of new shells from the Pacific Ocean. Proc. U. S. Nat. Mus. 45 (2002): 587 - 597 (11 June 1913)

Amphissa (Cosmioconcha) palmeri and *Erycina colpoica*, new species, from the head of the Gulf of California, found by Dr. E. Palmer.

1915. Notes on the Semelidae of the West Coast of America, including some new species. Proc. Acad. Nat. Sci. Philadelphia 67: 25 - 28 (2 March 1915)

Abra tepocana, new species, taken "off Cape Tepoca, Lower California."

DUSHANE, HELEN & JAMES HAMILTON MCLEAN

1968. Three new epitoniid gastropods from the Panamic province. Los Angeles County Mus. Contr. Sci. 145: 6 pp.; 6 figs. (14 June 1968)

Epitonium (Asperiscala) huffmanii, new species, found at Cholla Bay by Al Huffman in April 1937.

LOWE, HERBERT NELSON

1935. New marine Mollusca from West Mexico, together with a list of shells collected at Punta Penasco, Sonora, Mexico. Trans. San Diego Soc. Nat. Hist. 8 (6): 15-34; pls. 1-4 (21 March 1935)

A list of 299 species, including 3 new species: *Leda (Adrana) penascoensis*, *Turbonilla (Ptycheulimella) penascoensis*, and *Clathrodrillia pilsbryi*, which were dredged at 10 fms. by Lowe in 1934.

MARCUS, EVELINE DU BOIS-REYMOND & ERNST MARCUS

1967. American opisthobranch mollusks. Studies in tropical oceanography (Univ. Miami Inst. Marine Sci., Miami, Florida), no. 6, 256 pp.

An excellent account of material collected by Peter Pickens and his associates from November 1963 to April 1966. This work includes descriptions of 2 new genera and species, 14 new species, and 3 new subspecies. Thirty-nine species are reported from Puerto Peñasco, 5 from Cholla Bay, and 9 from Puerto Lobos.

PILSBRY, HENRY AUGUSTUS

1910. A new species of *Marinula* from the head of the Gulf of California. Proc. Acad. Nat. Sci. Philadelphia 62: 148-149; 1 fig. (23 May 1910)

Marinula rhoadsi, new species, from "Hardie River, Lower California," found by S. N. Rhodes in February 1905.

PILSBRY, HENRY AUGUSTUS & AXEL ADOLF OLSSON

1945. Vitrinellidae and similar gastropods of the Panamic province. Part I. Proc. Acad. Nat. Sci. Philadelphia 97: 249 to 277; pls. 22-30 (27 December 1945)

Teinostoma politum ultimum, new subspecies, from "Rocky Bluff, Bahia de Adair, Sonora . . .," collected by Earl C. Huffman.

SHASKY, DONALD R.

1961. New deep water mollusks from the Gulf of California. The Veliger 4 (1): 18-21; plt. 4, figs. 1-10 (1 July 1961)

Trigonostoma campbelli, new species, from off Puerto Peñasco in 10 fms., collected by H. N. Lowe in February 1934.

STEARNS, ROBERT EDWARDS CARTER

1893. Description of a new species of *Nassa* from the Gulf of California. The Nautilus 7 (1): 10-11 (7 June 1893)

Nassa brunneostoma, new species, from the Gulf of California near the mouth of the Colorado River, collected by Dr. E. Palmer.

RANGE EXTENSIONS

CATE, CRAWFORD NEILL

1969. A revision of the eastern Pacific Ovulidae. The Veliger 12 (1): 95-102; pls. 7-10; 3 maps (1 July 1969)

The type locality for *Jenneria pustulata* (LIGHTFOOT, 1786) is designated as Cholla Bay, Punta Peñasco, Sonora, Mexico. Florence Thurlow found the species at Cholla Bay in sand in April 1951 (personal communication). *Simnia rufa* (SOWERBY, 1832) and *S. aequalis aequalis* (SOWERBY, 1832) are reported from Adair Bay. *Neosimnia quaylei* LOWE, 1935 and *N. vidleri tyrianthina* BERRY, 1960, become synonyms of *S. a. aequalis*.

1969. The eastern Pacific cowries. The Veliger 12 (1): 103-119; pls. 11-15; 3 maps (1 July 1969)

Erosaria albuginosa (GRAY, 1825) is reported from Puerto Peñasco.

DALL, WILLIAM HEALEY

1897. Report on the mollusks collected by the international boundary commission of the United States and Mexico, 1892-1894. Proc. U. S. Nat. Mus. 19 (1111): 333-379; pls. 31-33 (27 January 1897)

Tivela crassatelloides found near the mouth of the Colorado River at the mouth of Rio Hardy.

DALL, WILLIAM HEALEY, & PAUL BARTSCH

1909. A monograph of the West American pyramidellid mollusks. U. S. Nat. Mus. Bull. 68: 1-258; 30 pls. (13 December 1909)

Pyramidella mazatlanica dredged off Cape Tepoca at the U. S. Bureau of Fisheries station 3019 in March 1889 by the *Albatross* (Townsend, 1901).

DONOHUE, JERRY

1966. The range of *Trivia myrae* CAMPBELL. The Veliger 9 (1): 35-36; 1 map (1 July 1966)

Found at Puerto Peñasco by Nora Donohue in April 1964.

FARMER, WESLEY MERRILL

1967. Notes on the Opisthobranchia of Baja California, Mexico, with range extensions - II. The Veliger 9 (3): 340-342; 1 text fig. (1 January 1967)

Chromodoris banksi and *Dirona picta* were found one mile south of Puerto Peñasco in February 1966.

HUBBS, CARL LEAVITT & ROBERT RUSH MILLER

1948. The Great Basin with emphasis on glacial and post-glacial times. II. The zoological evidence. Bull. Univ. Utah 38 (20): 17-166; 1 map (30 June 1948)

Cerithidea albonodosa found above the present tide level near the lower Rio Hardy (p. 111).

MCLEAN, JAMES HAMILTON

1967. West American species of *Lucapinella*. The Veliger 9 (3): 349-352; plt. 49; 3 text figs. (1 January 1967)

Lucapinella milleri reported from Puerto Peñasco. A. Huffman.

MURPHY, ROBERT CUSHMAN

1917. Natural history observations from the Mexican portion of the Colorado Desert. Proc. Linn. Soc. New York (28-29): 43-114 (11 December 1917)

Cerithidea sacrata GOULD found in the area of Laguna Salada, Baja California in March 1915 by Murphy.

SHASKY, DONALD R.

1959. Range extensions for gastropods of tropical West America. Minutes Conch. Club South. Calif. (186): 15-18

Mitrella millepunctata range extension to Cholla Bay.

1961. Notes on rare and little known Panamic mollusks. The Veliger 4 (1): 22-24; pl. 4, figs. 11-16 (1 July 1961)

Tenaturris nereis taken at Puerto Peñasco by Shasky.

STEARNS, ROBERT EDWARDS CARTER

1894. The shells of the Tres Marias and other localities along the shores of Lower California and the Gulf of California. Proc. U. S. Nat. Mus. 17 (996): 139-204.

Cardium elatum found at Pinacate Bay [Adair Bay?] by Dr. E. Palmer (p. 151).

STRONG, ARCHIBALD McCLURE & HERBERT NELSON LOWE

1936. West American species of the genus *Phos*. Trans. San Diego Soc. Nat. Hist. 8 (22): 305-320; pl. 22

Phos gaudens taken by H. N. Lowe in 10 fms. off Puerto Peñasco.

LISTS OF SPECIES

BERRY, SAMUEL STILLMAN

1956. See locality descriptions

BURGH, BEATRICE LARUE

1967. Murex shells. Cholla Chatter (Cholla Bay Sportsmen's Club, Phoenix, Arizona) 10 (5): 8-10 (May 1967)

A list of Muricidae to be found in the Cholla Bay area with information on life cycles of some species.

BURGH, JOHN QUINCY

1967. The olive shells of Cholla Bay. Cholla Chatter (Cholla Bay Sportsmen's Club, Phoenix, Arizona) 11 (10): 8-9; 1 pt. (November 1967)

A review of the seven members of the Olividae found at Cholla Bay.

DUSHANE, HELEN & ELLEN BRENNAN

1969. A preliminary survey of mollusks for Consag Rock and adjacent areas, Gulf of California, Mexico. The Veliger 11 (4): 351-363; 1 map (1 April 1969)

Seven species collected by DuShane at El Golfo de Santa Clara in November 1967 are listed.

GIFFORD, EDWARD WINSLOW

1945. Archaeology in the Punta Peñasco region, Sonora. Amer. Antiq. 11: 215-221; fig. 29 (May 1945)

A list of shells found at old camp sites and on nearby dunes.

HERTLEIN, LEO GEORGE & WILLIAM KEITH EMERSON

1956. Marine Pleistocene invertebrates from near Puerto Peñasco, Sonora, Mexico. Trans. San Diego Soc. Nat. Hist. 12 (8): 154-176; pl. 12; 2 maps (7 June 1956)

A list of fossil shells taken at Puerto Peñasco and Pelican Point (Cholla Bay) with comparisons to present day fauna.

HORNADAY, WILLIAM T.

1909. Camp-fires on desert and lava. Charles Scribner's Sons, New York, 366 pp.

Five species found on the shores of Adair Bay by Godfrey Sykes in 1907 (p. 240).

JOHNSON, MYRTLE EVANGELINE

1968. The cone shells of Cholla Bay. Cholla Chatter (Cholla Bay Sportsmen's Club, Phoenix, Arizona) 11 (12): 4-7; figs. 1-4 (December 1968)

Lists cones found in the Peñasco-Cholla Bay area.

KEEN, A. MYRA

1947. Species of mollusks collected by the Stanford Expedition, 1941, to be added to the list published by H. N. Lowe, 1935 (Trans. San Diego Soc. Nat. Hist., vol. 8, no. 6, pp. 27-34). Min. Conch. Club South. Calif. (75): 3-4 (Decemb. 1947) [published anonymously but actually by A. Myra Keen as per personal communication April 20, 1969.]

Sixty-one species to be added to the Puerto Peñasco area list.

LOWE, H. N.

1934. See locality descriptions.

MARCUS, E. & E. MARCUS

1967. See descriptions of new taxa.

RICE, THOMAS C.

1964. Mexican shelling. Pacif. Northwest Shell News 4 (3, 4): 29-34 (Fall 1964)

A trip to Puerto Peñasco and Cholla Bay in February 1964 with George and Virginia Hanselman results in a preliminary list of 67 species.

1966. H & R expedition species check list. Pacif. Northwest Shell News 6 (1): 4, 13-22 (January 1966)

Lists 84 species from Puerto Peñasco and 52 species from the Cholla Bay area taken by Tom Rice in February 1964.

SHASKY, DONALD R.

1958. See locality descriptions.

LOCALITY DESCRIPTIONS

BERRY, SAMUEL STILLMAN

1956. A tidal flat on the Vermilion Sea. Journ. Conchol. 24 (3): 81-84 (February 1956)

An excellent description of Cholla Bay; it includes the major species to be found in each habitat from the back estuary to the low tide line.

DUSHANE, HELEN

1957. Marine treasures from the beach at Punta Peñasco. Desert 20 (10): 17-20; 2 figs.; 2 maps (October 1957)

Collecting in Cholla Bay, with a photograph of 28 species found by the DuShanes in April 1957 (personal communication).

LOWE, HERBERT NELSON

1934. On the Sonoran side of the Gulf. *The Nautilus* 48 (1): 1-4 (10 July 1934); 48 (2): 43-48 (15 Oct. 1934)

General account of a trip to Puerto Peñasco in February 1934 with information on habitats of mollusks seen.

SHASKY, DONALD R.

1958. Collecting stations — Puerto Peñasco, Son., Mexico. *Min. Conch. Club South. Calif.* (176): 6-8; 1 fig. (April 1958)

Information on types of habitats and species to be found, from a trip in March 1957.

GENERAL REFERENCES

FARMER, WESLEY MERRILL

1968. Tidepool animals from the Gulf of California. *Wesword Co., San Diego, Calif.*; 69 pp.; 170 figs.; 23 pls.

Drawings of many common mollusks of both El Golfo de Santa Clara and Puerto Peñasco.

KEEN, A. MYRA

1958. Sea shells of tropical West America; marine mollusks from Lower California to Colombia. i-xi + 624 pp.; illus. *Stanford Univ. Press, Stanford, Calif.* (5 December 1958)

A comprehensive work with references to ranges of many species to the head of the Gulf of California and to Puerto Peñasco.

ANCILLARY REFERENCES

BAKER, EDWARD P.

1947. The Bakers take a trip to Mexico. *Min. Conch. Club South. Calif.* 72: 14-19 (August 1947)

An account of a shell collecting trip to Puerto Peñasco and Cholla Bay in January 1947

BERRY, SAMUEL STILLMAN

1953. Molluscan notes from the Puerto Peñasco region, Sonora (abstract). *Min. Conch. Club South. Calif.* 131: 3 (Sept.)

Trips to the area by S. S. Berry in 1948, 1949, and 1952 resulted in 704 species being taken, many of which were undescribed.

1963. Diagnoses of new eastern Pacific chitons. II. *Leafl. in Malacol.* 1 (22): 135-138 (29 March 1963)

Lepidozona pella, new species, from San Felipe, Baja California, is compared with *L. subtilis* BERRY, 1956 from Puerto Peñasco.

BURCH, JOHN QUINCY (ed.)

1949. Extracts from the Minutes of Conch. Club South. Calif. 92: 7

H. Turver spoke of collecting 300 species at Cholla Bay. The short account mentions some of the species, and states that sizes are larger than in the Guaymas area.

1950. Extracts from the Minutes of Conch. Club South. Calif. 104: 4 (September 1950)

L. Bessom gave an account of a trip to Puerto Peñasco and Cholla Bay.

1953. Extracts from the Minutes of Conch. Club South. Calif. 125: 6 (January/February 1953)

S. S. Berry spoke on "Molluscan notes from Puerto Peñasco region." He stated that he has material from the region from Lowe, Keen, Turver, Mousley, and the Fletchers.

1954. Extracts from the Minutes of Conch. Club South. Calif. 138: 40 (May 1954)

Louis B. Mousley found a large group of *Cancellaria acuminata* live in Adair Bay in January 1954.

1954. Extracts from the Minutes Conch. Club South. Calif. 139: 60 (June 1954)

The Harry Turvers report good collecting at Puerto Peñasco.

1955. Extracts from the Minutes of Conch. Club South. Calif. 152: 12 (November 1955)

Mr. and Mrs. Mead French gave a report on a recent trip to Cholla Bay.

1959. Extracts from the Minutes Conch. Club South. Calif. 190: 14 (July/August 1959)

S. Ralph Hall found 2 dead *Spondylus* shells at Cholla Bay.

BURCH, THOMAS ADAMS (ed.)

1969. Cone shells of Cholla Bay. *Cholla Chatter* (Cholla Bay Sportsmen's Club, Phoenix, Arizona) 12 (1): 9; 1 fig.

Conus regularis found by Carol Skoglund at Cholla Bay boat landing in August 1966.

1969. Wormfish search. *Cholla Chatter* (Cholla Bay Sportsmen's Club, Phoenix, Arizona) 12 (6): 24-25 (June)

Cyclinella sp. found in the Cholla Bay estuary in May 1969.

CHACE, EMERY PERKINS & ELSIE MARGARET HERBST CHACE

1967. Conchological reminiscences. *Recollections of Emery P. Chace and Elsie M. Chace with the help of our notebooks.* San Diego Soc. Nat. Hist. 38 pp.

Collecting trips to Cholla Bay were made by the Chaces in 1955, 1957, 1958, and 1959.

GARDNER, ERLE STANLEY

1969. Clamming at El Gulfo. *Desert* 32 (7): 12-15, 33 (July 1969)

Clam digging for food; no species names given.

IVES, RONALD LORENZ

1951. High sea levels of the Sonoran shore. *Amer. Journ. Sci.* 249: 215-223; pls. 1-2; 2 figs. (March 1951)

Deposits of *Chione cancellata* and *Turritella* above present shoreline used as indicators of past changes.

1959. Shell dunes of the Sonoran shore. *Amer. Journ. Sci.* 257: 449-457; pls. 1-2; 3 figs. (June 1959)

Chione cancellata a component of the shell dunes.

1963. The problem of the Sonoran littoral cultures. *Kiva* 28: 28-32; 1 fig.

Turritella leucostoma and *Chione cancellata* used to identify old shorelines.

JOHNSON, MYRTLE EVANGELINE

1964. My hobby - shell collecting. Cholla Chatter
(Cholla Bay Sportsmen's Club, Phoenix, Arizona) 8 (3): 14
to 15 (March 1964)

Collecting at Cholla Bay.

JOHNSON, WILLIAM SCOTT

1968. Ecology and seasonal fluctuations of an intertidal *Sargassum-Hyale-Barleeia* association at Punto Peñasco, Mexico (abstract). Southwest. and Rocky Mt. Div., Amer. Assoc. Adv. Sci. 44th ann. meet. 28 April - 1 May 1968

LUMHOLTZ CARL

1912. New trails in Mexico. Charles Scribner's Sons, New York

Dosinia ponderosa seen at la Salada, near the mouth of the Colorado in 1909 by Lumholtz (p. 256).

MACGINITIE, GEORGE EBER & NETTIE MACGINITIE

1949. Natural history of marine animals. 473 pp.; illus. McGraw-Hill, New York.

Lamellaria orbiculata seen on white encrusting sponge at Puerto Peñasco (p. 372).

ORCUTT, CHARLES RUSSELL

1891. A visit to Lake Maquata. West. Amer. Scient. 7 (59): 158 - 164 (April 1891)

Cerithidea and clams of the genus *Venus* were found to the westward of Lake Maquata.

PAINE, ROBERT T.

1966. Function of labial spines, composition of diet, and size of certain marine gastropods. The Veliger 9 (1): 17 - 24; 2 text figs. (1 July 1966)

Observations on *Acanthina angelica* made at Puerto Peñasco in March 1964.

ROST, HELEN

1955. A report on the family Arcidae (Pelecypods).

Allan Hancock Pacif. Exped. 20 (2): 177 - 249; pls. 11 - 16; 17 text figs. (10 November 1955)

Offshore work in 1937 and 1940 at Puerto Peñasco and at Cape Tepoca. *Anadara multicostata* and *A. alternata* reported from Peñasco, and *A. alternata* from Tepoca.

LITERATURE CITED

McVAUGH, ROGERS

1956. Edward Palmer, plant explorer of the American West. Univ. Oklahoma Press, Norman, Okla. 430 pp.

TOWNSEND, C. H. (compiler)

1901. Dredging and other records by the U. S. Fish Commission steamer *Albatross* with the bibliography relative to the work of the vessel. Extr. U. S. Fish. Commis. Rep. of 1900; Washington, D. C., pp. 387 - 562; pls. 1 - 7

